COMBINED DECLARATION AND POWER OF ATTORNEY

	As a	below-named	inventor, I	hereby	declare	that
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[X]	original
[]	divisional
[]	continuation
[]	continuation-in-part

This declaration is of the following type:

INVENTORSHIP IDENTIFICATION

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"IMPROVED SUBSTRATE MONITORING METHOD AND APPARATUS"

SPECIFICATION IDENTIFICATION

The specification of which:

[X]	is attached hereto								
[]				l No					
	herewith; or [] Expres was amended on			(as applicable)		Vo. no	t yet kno	wn)	and
[]	was described and claim	ned in PCT I	nterr	national App	olication	No			
	filed on	and any).	as	amended	under	PCT	Article	19	on
		-·· , , ·							

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56,

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and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[X] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR § 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

XJ	No such applications have been filed.
]	Such applications have been filed as follows:

Α. Prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this application, and any priority claims under 35 U.S.C. § 119:

Country/PCT	Application No.	Date Filed	Priority Claimed
			[] Ves [] No

В. All foreign application(s), if any, filed more than 12 months (6 months for design) prior to this U.S. application:

Country:

Application No:

Filing date:

PRIORITY CLAIM (35 U.S.C. § 120)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

(None)

, }



Santa Clara, CA 95052

[X]	No su	ch applications	have been filed.		
[]	Such	applications hav	ve been filed as follo	ows:	
Serial	<u>No.</u>	Filing Date	Patented	Status Pending	Abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Donald Verplancken Lawrence Edelman Michael B. Einschlag Joseph Bach Raymond Kam-On Kwong James C. Wilson Robert W. Mulcahy Ashok K. Janah	Registration No. 25,610 Registration No. 33,217 Registration No. 25,226 Registration No. 29,301 Registration No. 37,771 Registration No. 37,165 Registration No. 35,412 Registration No. 25,436 Registration No. 37,487
Send correspondence to:	Direct telephone calls to:
Applied Materials, Inc. Patent Department P.O. Box 450A	Ashok K. Janah (415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole inventor: LILL, THORSTEN B.	
Inventor's signature Residence: Post Office Address: 880 East Fremon Avenue, #634 Sunnyvale, California 94087 U.S.A. Country of Citizenship: German	у
Full name of second inventor: GRIMBERGEN, MICHAEL N.	
Inventor's signature: Mahl N. Guber Date: 1/12/00 Residence: Redwood City, California Post Office Address: 767 Martinique Drive Redwood City, California 94065	
Country of Citizenship: U.S.A.	
Full name of third inventor: TREVOR, JITSKE Inventor's signature: Date: 1/12/00 Residence: Sunnyvale, California Post Office Address: 1000 Escalon Avenue, #P1124 Sunnyvale, California 94086	
U.S.A. Country of Citizenship: New Zea	land

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Full name of fourth inventor:	JIANG, WEI-NAN	
Inventor's signature: // Sán Jose, Calif		1/18/2000

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Country of Citizenship: U.S.A.

Full name of fifth inventor: **CHINN, JEFFREY**

Inventor's signature: Date:

Residence: Foster City, California Post Office Address: 605 St. Croix Lane

Foster City, California 94404

U.S.A.

Country of Citizenship: U.S.A.

(Declaration ends with this page)